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UNITED STATES DEPARTMENT OF AGRICULTURE  
Rural Electrification Administration  
Washington 25, D. C.

LIST OF MATERIALS ACCEPTED ON A TRIAL BASIS FOR USE ON  
SYSTEMS OF REA ELECTRIFICATION BORROWERS

The attached sheets comprise a current listing of items of material which have been accepted on a trial basis by the Technical Standards Committees as of February 20, 1953.

The use of the term "trial basis" does not imply that the item accepted is inferior or substandard in quality or design. It does mean that the item is a new development or that it has not previously been in general use by REA borrowers, and that experience in its operation and use is necessary before it may be considered for final acceptance and inclusion in REA's "List of Materials Acceptable For Use on Systems of REA Electrification Borrowers."

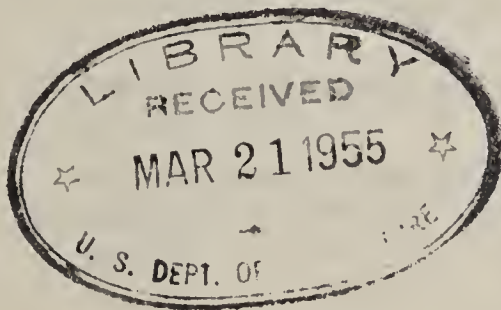
This listing has been divided into two parts as follows:

Part I, General

Items Accepted on a Trial Basis by the Technical Standards Committees (Excluding Items For Use on 14.4/24.9 KV Systems of REA Borrowers).

Part II, 14.4/24.9 kv

Items Accepted on a Trial Basis by the Technical Standards Committees For Use on 14.4/24.9 KV Systems of REA Borrowers. (This listing supplements those items applicable for use on 14.4/24.9 kv systems now shown in the "List of Materials Acceptable For Use on Systems of REA Electrification Borrowers.")



## PART I, GENERAL

Items Accepted on a Trial Basis by the Technical Standards Committees

(Part I does not include materials accepted on a trial basis for use on 14.4/24.9 kv systems of REA borrowers. Items for this voltage are included in Part II of this publication.)

<u>Manufacturer</u>	<u>Item</u>	<u>Type or Catalog No</u>
Allis-Chalmers	Regulators; 15*, 50* and 100 ampere sizes (for use in substations)	Type JFR
Chance	Anchor, "Cross-Plate"	X24-3/4
	Group-operated, rotating insulator air break switch: 400, 600 and 1200 amp., 15 thru 69 kv	H
	Hot line clamps, ACSR with armor rods	
	ACSR size: 4/0 & 3/0 2/0 & 1/0	2 & 4
	Aluminum tap 174OAA 1735AA	173OAA
	Copper tap 174OAC 1735AC	173OAC
Electrical Engineers Equipment Corp.	Switch, three-pole group-operated air-interrupter - 15, 23, 34.5, 46, and 69 kv	Type 8400-
Electroline Company	Splicing connector for use on 3/8" HSS overhead static wire	GD-537
Gardner Electric	Transformer, 5 kva conventional	5ORS
General Electric	Oil circuit recloser, 3-phase, 15 kv, 5 to 50 amps.	FR-3
	Distribution transformer cover clamping ring, through 15 kva	
	Voltage regulator, single-phase, step-type 19.1 - 76.2 kva (substation use*)	ML-32
Joslyn	Lightning arrester, 15 kv	J9251P
	Lightning arrester, 20 kv	J9262-E
	" " 25 kv	J9263-E
	" " 35 kv	J9266-E

\* This regulator has received general acceptance for line use.

## Part I, General

<u>Manufacturer</u>	<u>Item</u>	<u>Type or Catalog No.</u>
	Meter protector, for watthour meters (Approval by Area Director)	J9200
Kearney	Clips, ground wire	12326
	Connectors, "Squeezon" for copper & copperweld	301 thru 309
	Clamp, ground rod, "Squeezon", 5/8-inch	18457
	Sectionalizer, 7.2/12.5 kv 5, 10, 15, 25, 35 and 50 amperes	18290-5 thru 18290-50
Kimble Glass	Insulator, pin type, 7.2/12.5 kv	830
Line Material	Regulator, voltage, 4 - 2½% steps 7.2/12.5 kv, type RV 15 amp. 25 amp.	88000C1 88000C2
Reliable	Sleeves, splicing, aluminum straightline	271, 261 471, 461
R T & E	Voltage regulator, type 1R, single step, line type, 20 amp.	1R1 and 1R2
S & C Electric	Switches, disconnecting (interrupting type) 7.5 and 15 kv	BS and RBS
Schwager-Wood	Interrupter switches, 46, 69, and 115 kv	Type IA
Wagner	"Shur-seal" clamping ring in place of regular cover clamps on transformers.	
Westinghouse	Sectionalizer, 5 to 100 amps.	GRS-5 thru GRS-1C0
	Oil circuit recloser, 3-phase, 25 to 100 amperes	Type 100-GR3
	Meter protector (watthour meter coil protection gaps)	
	Lightning arrester, 9 kv, expulsion, "LX"	1616553

## PART II, 14.4/24.9 KV

Items Accepted on a Trial Basis by the Technical Standards Committees  
For Use on 14.4/24.9 KV Systems of REA Borrowers

<u>Manufacturer</u>	<u>Item</u>	<u>Type or Catalog No.</u>
Electric Service	Lightning arrester, 18 kv, expulsion	89214
General Electric	Lightning arrester, 18 kv, expulsion (Crossarm mounted) (Transformer mounted)	9LA17B71 9LA17C7
	Arrester-cutout combination, 18 kv (Crossarm mounted) (Transformer mounted)	9FLA1A61 9FLA1A682
	Cutout, 50 amp. (crossarm mounted)	9F17C41
	Distribution transformers	
	Single cover bushing - 120/240 V.	
	KVA:           3           5           7½           10           15           25	
	<u>Type</u>	
	HS       35H18   35H19   35H20   35H21   35H22   35H23	
	HSA      35H30   35H31   35H32   35H33   -       -	
	HSBA     35H24   35H25   -       35H27   35H28   35H29	
	<u>Two cover bushings</u>	
	HS - 120/240 V.   -       -       35H267   35H268   -	
	HS - 240/480 V.   -       -       35H39   35H40   35H41	
Hubbard	Arrester-cutout combination, 18 kv (Transformer mounted) (Crossarm mounted)	2327-FT 2328
	Lightning arrester, 18 kv, crossarm mounted	2327
	Pin, crossarm, 5/8" shank	5717
Joslyn	Lightning arrester, 15 kv (for factory installation on "CSP" type transformers)	J9251-M
	Cutout and arrester combination	J9258-1
	Lightning arrester, 15 kv	J9251-P
	Pin, crossarm, 5/8" shank	J647
Kearney	Cutout; 15 kv, 50 amp. (Trip-o-link) (Crossarm mounted)	16393

## Part II, 14.4/24.9 kv

<u>Manufacturer</u>	<u>Item</u>	<u>Type or Catalog No.</u>
Knox	Insulator, pin type, multi-part	2027-S
Line Material	Arrester (crossarm mounted)	305574C-1
	Cutout (crossarm mounted)	230180C-1
	Arrester-cutout combination	
	(Crossarm mounted)	305553C-1
	(Transformer mounted)	305576C-1
	Recloser, oil circuit, single phase	Type E
	Distribution transformers, single cover bushing	
	<u>KVA</u> <u>Type:</u> <u>RW, conventional</u> <u>3IX, protected</u>	
	3              GF-511144-3              LF-511144-3	
	5              GF-511144-5              LF-511144-5	
	7½             GF-511144-7              LF-511144-7	
	10             GF-511144-10             LF-511144-10	
	15             GF-511144-15             LF-511144-15	
	25             GF-511144-25             LF-511144-25	
Locke	Insulator, pin type, multi-part	1027NP
Matthews	Cutout, 18 kv (crossarm mounted)	
	100 amp. (Fuswitch)	1311-REA
Moloney	Distribution transformers in sizes	
	3, 5, 10, 15, and 25 kva	
	Conventional, single bushing	Type CL-1
	Conventional, two bushing	Type CL-2
	CSP, single bushing	Type CSP Class B-3
	Single bushing, with Joslyn arrester and load limiter	Type SPE
Ohio Brass	Insulator, pin type, multi-part	38246
R T & E	Distribution transformers, conventional	
	<u>Catalog Nos. per kva</u>	<u>3</u> <u>5</u> <u>7½</u> <u>10</u> <u>15</u> <u>25</u>
	Single bushing	5T1 5T2 5T3 5T4 5T5 5T6
	Double bushing, 120/240 V.	- 6T2 6T3 6T4 6T5 6T6
	Double bushing, 240/480 V.	- 8T2 8T3 8T4 8T5 8T6
Standard	Distribution transformer, 5 kva (with Hubbard arrester and cutout)	ARP

## Part II, 14.4/24.9 kv

<u>Manufacturer</u>	<u>Item</u>	<u>Type or Catalog No.</u>
Thomas	Insulator, pin type, standard, 1-piece	1917-M-QT
Utilities Service	Pin, crossarm, 5/8" shank	3137A
Victor	Insulator, pin type, one-piece	127-R
Wagner	Distribution transformers, single cover bushing	
	KVA: 3 5 7½ 10 15 25	
	<u>Type</u>	<u>Catalog Numbers</u>
	HEF 5QN 5QU 5QM 5QB 5QE 5QR	
	HEF-3 5QL 5QNK 5QNU 5QNM 5QNB 5QNE	
	HEF-5 5QMN 5QMU 5QMM 5QMB 5QME 5QMR	
	HEF-7Z 5QNA 5QNL 5QUK 5QUN 5QUU 5QUM	
Westinghouse	Distribution transformers	
	<u>Cover Bushings:</u>	<u>One</u> <u>One</u> <u>Two</u>
	<u>KVA</u> <u>Type:</u> S(B-3) CSP S	
	3 2C10C-005 2C10C-205 -	
	5 3C10C-005 3C10C-205 -	
	7½ 4C10C-005 4C10C-205 -	
	10 5C10C-005 5C10C-205 5C10C-001	
	15 6C10C-005 6C10C-205 6C10C-001	
	25 7C10C-005 7C10C-205 7C10C-001	



